

# Contents

Aliaga, G. R., Pommerville, J. C., Analysis of cytoplasmic microtubules and flagellar roots in the zoospores of <i>Allomyces macrogynus</i> . . . . .	221	Kovaleva, V. G., s. Raikov, I. B.	
Belver, A. Travis, R. L., Effect of NaCl and mannitol on plasma membrane proteins in corn roots . . . . .	76	Kwiatkowska, M., Popłowska, K., Żylińska, K., Biological role of endoreplication in the process of spermatogenesis in <i>Chara vulgaris</i> L. . . . .	176
Berger, Sigrid, s. De, Deepesh D.		Lancelle, Susan A., s. Lichtscheidl, Irene K.	
Blommers, P. C. J., s. Sluiman, H. J.		Lefkovich, L. P., s. Wilson, T. P.	
Bonfante-Fasolo, P., s. Perretto, R.		Leopold, A. C., s. Wayne, R.	
Brakenhoff, G. J., s. Tomson, A. M.		Lichtscheidl, Irene K., Lancelle, Susan A., Hepler, P. K., Actin-endoplasmic reticulum complexes in <i>Drosera</i> . Their structural relationship with the plasmalemma, nucleus, and organelles in cells prepared by high pressure freezing . . . . .	116
Canny, M. J., s. Wilson T. P.		McCully, M. E., s. Wilson, T. P.	
Chalko, Connie, M., s. Morré, D. J.		Morré, D. J., Selldén, Gun, Ojanperä, Katinka, Sandelius, Anna Stina, Egger, A., Morré, Dorothy M., Chalko, Connie M., Chalko, R. A., Peroxisome proliferation in Norway spruce induced by ozone . . . . .	58
Corke, Fiona M. K., Hedley, C. L., Wang, T. L., An analysis of seed development in <i>Pisum sativum</i> L. XI. Cellular development and the deposition of storage protein in immature embryos grown in vivo and in vitro . . . . .	127	Morré, Dorothy M., s. Morré, D. J.	
— — —, An analysis of seed development in <i>Pisum sativum</i> L. XII. In vitro manipulation of embryo development using xenobiotic compounds . . . . .	136	Ojanperä, Katinka, s. Morré, D. J.	
De, Deepesh N., Berger, Sigrid, Karyology of <i>Acetabularia mediterranea</i> . . . . .	19	Perretto, R., Perotto, S., Faccio, A., Bonfante-Fasolo, P., Cell surface in <i>Calluna vulgaris</i> L. hair roots: in situ localization of polysaccharidic components . . . . .	1
Demets, R., Tomson, A. M., Stegwee, D., van den Ende, H., Cell-cell coordination in conjugating <i>Chlamydomonas</i> gametes . . . . .	188	Perotto, S., s. Perretto, R.	
— s. Tomson, A. M.		Pommerville, J. C., s. Aliaga, G. R.	
Dolowy, K., Depolarization of the cell membrane causes inhibition of cell locomotion and pinocytosis in <i>Acanthamoeba castellanii</i> and <i>Amoeba proteus</i> . . . . .	210	Popłowska, K., s. Kwiatkowska, M.	
Dumas, C., s. Russell, S. D.		Quader, H., Formation and disintegration of cisternae of the endoplasmic reticulum visualized in live cells by conventional fluorescence and confocal laser scanning microscopy: evidence for the involvement of calcium and the cytoskeleton . . . . .	166
Egger, A., s. Morré, D. J.		Raikov, I. B., Kovaleva, V. G., Ultrastructure of the nuclear apparatus of the lower ciliate <i>Remanella granulosa</i> Kahl ( <i>Karyorelictida</i> ) . . . . .	106
van den Ende, H., s. Demets, R.		Rougier, M., s. Russell, S. D.	
— s. Tomson, A. M.		Russell, S. D., Rougier, M., Dumas, C., Organization of the early post-fertilization megagametophyte of <i>Populus deltoides</i> . Ultrastructure and implications for male cytoplasmic transmission . . . . .	153
Faccio, A., s. Perretto, R.		Sandelius, Anna Stina, s. Morré, D. J.	
Golz, R., Thurm, U., Cnidocil regeneration in nematocytes of <i>Hydra</i> . . . . .	95	Selldén, Gun, s. Morré, D. J.	
Grolig, F., Actin-based organelle movements in interphase <i>Spirogyra</i> . . . . .	29	Sluiman, H. J., Blommers, P. C. J., Basal apparatus behaviour during cellular division (sporulation) in the coccoid green alga <i>Chlorosarcina</i> . . . . .	66
Hedley, C. L., s. Corke, Fiona M. K.		van Spronsen, E. A., s. Tomson, A. M.	
Hepler, P. K., s. Lichtscheidl, Irene K.		Staves, M., s. Wayne, R.	
		Stegwee, D., s. Demets, R.	
		— s. Tomson, A. M.	

Thurm, U., s. Golz, R.		Żylińska, K., s. Kwiatkowska, M.	
Tomson, A. M., Demets, R., van Spronsen, E. A., Brakenhoff, G. J., Stegwee, D., van den Ende, H., Turnover and transport of agglutinins in conjugating <i>Chlamydomonas</i> gametes . . .	200	<i>Rapid Communications</i>	
— s. Demets, R.		Duniec, Jadwiga, s. Gubler, F.	
Travis, R. L., s. Belver, A.		Gubler, F., Jablonsky, P. P., Duniec, Jadwiga, Hardham, Adrienne R., Localization of calmodulin in flagella of zoospores of <i>Phytophthora cinnamomi</i> . . .	233
Venverloo, Catharina J., Regulation of the plane of cell division in vacuolated cells. II. Wound-induced changes . . .	85	Hardham, Adrienne R., s. Gubler, F.	
Wayne, Randy, Staves, M., Leopold, A. C., Gravity-dependent polarity of cytoplasmic streaming in <i>Nitellopsis</i> . . .	43	Jablonsky, P. P., s. Gubler, F.	
Wilson, T. P., Canny, M. J., McCully, M. E., Lefkovich, L. P., Breakdown of cytoplasmic vacuoles. A model of endoplasmic membrane rearrangement . . .	144	Sonobe, Seiji, Cytochalasin B enhances cytokinetic cleavage in miniprotoplasts isolated from cultured tobacco cells . . .	239

